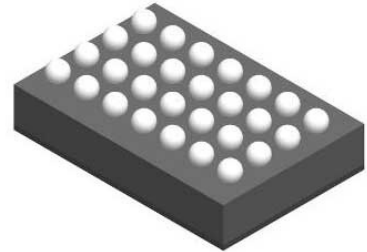


40VIN, 2A Silent Switcher  $\mu$ Module Regulator

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	28-Lead BGA (6.25mm x 4mm x 2.22mm)
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM8063IY#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTM8063 is a 40VIN, 2A continuous, 2.5A peak, step-down  $\mu$ Module<sup>®</sup> (power module) regulator. Included in the package are the switching controller, power switches, inductor, and all support components. Operating over an input voltage range of 3.2V to 40V, the LTM8063 supports an output voltage range of 0.8V to 15V and a switching frequency range of 200kHz to 2.2MHz, each set by a single resistor. Only the input and output filter capacitors are needed to finish the design.

The low profile package enables utilization of unused space on the bottom of PC boards for high density point of load regulation. The LTM8063 is packaged in a thermally enhanced, compact over-molded ball grid array (BGA) package suitable for automated assembly by standard surface mount equipment. The LTM8063 is RoHS compliant.

## Features

Low Noise Silent Switcher® Architecture

Wide Input Voltage Range: 3.2V to 40V

Wide Output Voltage Range: 0.8V to 15V

2A Continuous Output Current at 12VIN, 5VOUT,>

2.5A Peak Current

Selectable Switching Frequency: 200kHz to 2.2MHz

External Synchronization

Configurable as an Inverter

6.25mm × 4mm × 2.22mm BGA Package

## Application

Automotive Battery Regulation

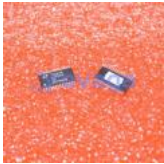
Power for Portable Products

Distributed Supply Regulation

Industrial Supplies

Wall Transformer Regulation

## Related Products



### [LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



### [LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



### [LTC1966CMS8#PBF](#)

Analog Devices, Inc  
MSOP-8P



### [LTM8045EY#PBF](#)

Analog Devices, Inc  
BGA40



### [LT1038CK](#)

Analog Devices, Inc  
TO-3



### [LTC3440EMS](#)

Analog Devices, Inc  
MSOP10



### [LTC2990IMS#PBF](#)

Analog Devices, Inc  
10MSOP



### [LT4295IUFD#PBF](#)

Analog Devices, Inc  
28-WFQFN